

## NEW OR RESTORED GENERA OF BROMELIACEAE

Lyman B. Smith and W. John Kress  
Department of Botany, Smithsonian Institution, Washington, D.C.

### ABSTRACT

New nomenclatural combinations are enumerated in 7 genera of Bromeliaceae.

KEY WORDS: Bromeliaceae, Neotropics, nomenclature.

In *Flora Neotropica Monograph No. 14* (Smith & Downs 1979) the key to genera required 9 entries to cover the 8 subgenera of *Aechmea* while the distinctions were no better than those elsewhere in the key. Consequently it seems not only logical but also convenient to erect or restore the subgenera into genera as follows.

**PODAECHMEA** (Mez) Smith & Kress, comb. nov. Lectotype *Pironneava lueddemanniana* K. Koch.

*P. ferruginea* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea ferruginea* L.B. Smith, *Contr. Gray Herb.* 98:5, pl 1, figs 1-3. 1932.

*P. galeottii* (Baker) Smith & Kress, comb. nov. Basionym: *Aechmea galeottii* Baker, *Handb. Bromel.* 51. 1889.

*P. lueddemanniana* (K. Koch) Smith & Kress, comb. nov. Basionym: *Pironneava lueddemanniana* K. Koch, *Wochenschr. Gartnerei Pflanzenk.* 9:182. 1866.

*P. macvaughii* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea macvaughii* L.B. Smith, *Phytologia* 10:481, pl 1, figs 8,9. 1964.

*P. mexicana* (Baker) Smith & Kress, comb. nov. Basionym: *Aechmea mexicana* Baker, *J. Bot.* 17:165. 1879.

**LAMPROCOCCUS** Beer. Lectotype *Lamprococcus fulgens* (Brongniart) Beer.

*L. brevicollis* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea brevicollis* L.B. Smith, *Contr. Gray Herb.* 154:32, pl 3, figs 1,2. 1945.

*L. campanulatus* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea campanulata* L.B. Smith, *Mem. New York Bot. Gard.* 9:316, fig 61. 1957.

- L. carvalhoi** (E. Pereira & Leme) Smith & Kress, comb. nov. Basionym: *Aechmea carvalhoi* E. Pereira & Leme in E. Pereira, E.M. C. Leme & I. Penna, *Bradea* 4(34):267, fig 1, g-l. 1985.
- L. cathcartii** (C.F. Reed & R.W. Read) Smith & Kress, comb. nov. Basionym: *Aechmea cathcartii* C.F. Reed & R. W. Read, *J. Brom. Soc.* 31(2):59, fig 1981.
- L. farinosus** Regel, *Ind. Sem. Hort. Petrop.* for 1868: 79. 1869. *L. farinosus* var. *farinosus*.
- L. farinosus** var. *glomeratus* (Beer) Smith & Kress, comb. nov. Basionym: *Lamprococcus glomeratus* Beer, *Bromel.* 105. 1856.
- L. farinosus** var. *discolor* (Beer ex Baker) Smith & Kress, comb. nov. Basionym: *Aechmea conglomerata* var. *discolor* Beer ex Baker, *Handb. Bromel.* 53. 1889.
- L. fulgens** (Brongniart) Beer, *Bromel.* 103. 1856. *L. fulgens* var. *fulgens*. Basionym: *Aechmea fulgens* Brongniart, *Ann. Sci. Nat. Bot.* II. 15:571. 1841.
- L. fulgens* var. *discolor* Brongniart ex Beer, *Bromel.* 104. 1856.
- L. miniatus* Beer, *Bromel.* 104. 1856. *L. miniatus* var. *miniatus*.
- L. miniatus* var. *discolor* Beer, *Bromel.* 104. 1856.
- L. pedicellatus** (E.M.C. Leme & H.E. Luther) Smith & Kress, comb. nov. Basionym: *Aechmea pedicellata* Leme & Luther, *J. Bromeliad Soc.* 38(4):150, fig 4. 1988.
- L. podanthus** (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea podantha* L.B. Smith, *Smithsonian Misc. Collect.* 126:18,203, fig 95. 1955.
- L. racinae** (L.B. Smith) Smith & Kress, comb. nov. *L. racinae* var. *racinae*. Basionym: *Aechmea racinae* L.B. Smith, *Arq. Bot. Estado São Paulo* 1:56, pl 71. 1941.
- L. racinae** var. *erectus* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea racinae* var. *erecta* L.B. Smith, *Arch. Jard. Bot. Rio de Janeiro* 10:142. 1950.
- L. racinae** var. *tubiformis* (E. Pereira) Smith & Kress, comb. nov. Basionym: *Aechmea racinae* var. *tubiformis* E. Pereira, *Bradea* 1(18):161. 1972.
- L. victorianus** (L.B. Smith) Smith & Kress, comb. nov. *L. victorianus* var. *victorianus*. Basionym: *Aechmea victoriana* L.B. Smith, *Arq. Bot. Estado São Paulo* 1:57, pl 73, fig 1. 1941.
- L. victorianus** var. *discolor* (M.B. Foster) Smith & Kress, comb. nov. Basionym: *Aechmea victoriana* var. *discolor* M.B. Foster, *Bull. Bromeliad Soc.* 5:29, fig 1955.
- L. warasii** (E. Pereira) Smith & Kress, comb. nov. Basionym: *Aechmea warasii* E. Pereira, *Bradea* 1(18):160, fig 2. 1972.
- L. weilbachii** (Didrichsen) E. Morren, *Belgique Hort.* 11:305, fig. 1861. Basionym: *Aechmea weilbachii* Didrichsen, *Ann. Sci. Nat. Bot.* IV. 2:375. 1854.

*ORTGIESIA* Regel. Type *Ortgiesia tillandsioides* Regel.

- O. *alegrensis* (Weber) Smith & Kress, comb. nov. Basionym: *Aechmea alegrensis* Weber, Feddes Repert. 97(3-4):110, fig 11. 1986.
- O. *apocalyptic*a (Reitz) Smith & Kress, comb. nov. Basionym: *Aechmea apocalyptic*a Reitz, Sellowia 14:99, fig 1. 1962.
- O. *bicolor* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea bicolor* L.B. Smith, Smithsonian Misc. Collect. 126:12,213, fig 100. 1955.
- O. *blumenavii* (Reitz) Smith & Kress, comb. nov. *O. blumenavii* var. *blumenavii* Basionym: *Aechmea blumenavii* Reitz, Anais Bot. Herb. "Barbosa Rodrigues" 4:21, pl 6. 1952.
- O. *blumenavii* var. *alba* (Reitz) Smith & Kress, comb. nov. Basionym: *Aechmea blumenavii* var. *alba* Reitz, Bromeliaceae Fl. Illustr. Catar. 1:412. 1983.
- O. *burle-marxii* (E. Pereira) Smith & Kress, comb. nov. Basionym: *Aechmea burle-marxii* E. Pereira, Bradea 2(47):307, fig A. 1979.
- O. *calyculata* (E. Morren) Smith & Kress, comb. nov. Basionym: *Hoplophytum calyculatum* E. Morren, Belgique Hort. 15:162, pl 11. 1965.
- O. *candida* (E. Morren ex Baker) Smith & Kress, comb. nov. Basionym: *Aechmea candida* E. Morren ex Baker, Handb. Bromel. 41. 1889.
- O. *caudata* (Lindman) Smith & Kress, comb. nov. *O. caudata* forma *caudata*. Basionym: *Aechmea caudata* Lindman, Kongl. Svenska Vetenskapsakad. Handl. 24(8):29, pl 6, figs 1-9. 1891.
- O. *caudata* forma *albiflora* (Weber & Roeth) Smith & Kress, comb. nov. Basionym: *Aechmea caudata* forma *albiflora* Weber & Roeth in W. Weber, Feddes Repert. 93(5):337. 1982
- O. *coelestis* (K. Koch) Smith & Kress, comb. nov. *O. coelestis* var. *coelestis*. Basionym: *Hoplophytum coeleste* K. Koch, Ind. Sem. Hort. Berol. for 1856 (App.):6. 1857.
- O. *coelestis* var. *acutifolia* (E. Pereira) Smith & Kress, comb. nov. Basionym: *Aechmea coelestis* var. *acutifolia* E. Pereira, Bradea 2(49):322. 1979.
- O. *coelestis* var. *albo-marginata* (M.B. Foster) Smith & Kress, comb. nov. Basionym: *Aechmea coelestis* var. *albo-marginata* M.B. Foster, Bull. Bromeliad Soc. 7:91, fig 1957.
- O. *cylindrata* (Lindman) Smith & Kress, comb. nov. Basionym: *Aechmea cylindrata* Lindman, Kongl. Svenska Vetenskapsakad. Handl. III. 24(8):32, pl 8, figs 28-35. 1891.
- O. *gamosepala* (Wittmack) Smith & Kress, comb. nov. *O. gamosepala* var. *gamosepala*. Basionym: *Aechmea gamosepala* Wittmack, Bot. Jahrb. Syst. 13 (Beibl. 29): 3, 13. 1891.
- O. *gamosepala* var. *nivea* (Reitz) Smith & Kress, comb. nov. Basionym: *Aechmea gamosepala* var. *nivea* Reitz, Sellowia 14:101. 1962.
- O. *gracilis* (Lindman) Smith & Kress, comb. nov. Basionym: *Aechmea gracilis* Lindman, Kongl. Svenska Vetenskapsakad. Handl. 24(8):30, pl 6, figs 10-16. 1891.

- O. guaratubensis* (E. Pereira) Smith & Kress, comb. nov. Basionym: *Aechmea guaratubensis* E. Pereira, *Bradea* 1(25):278. 1972.
- O. kertesziae* (Reitz) Smith & Kress, comb. nov. *O. kertesziae* var. *kertesziae*. Basionym: *Aechmea kertesziae* Reitz, *Anais Bot. Herb. "Barbosa Rodrigues"* 4:24, pl 7-I. 1952.
- O. kertesziae* var. *viridi-aurata* (Reitz) Smith & Kress, comb. nov. Basionym: *Aechmea kertesziae* var. *viridi-aurata* Reitz, *Sellowia* 33:55. 1981.
- O. lindenii* (E. Morren) Smith & Kress, comb. nov. *O. lindenii* var. *lindenii*. Basionym: *Hoplophytum lindenii* E. Morren, *Belgique Hort.* 15:164. 1865.
- O. lindenii* var. *makoyana* (Mez) Smith & Kress, comb. nov. Basionym: *Aechmea lindenii* var. *makoyana* Mez, *Pflanzenreich* IV. 32:159. 1934.
- O. lymanii* (Weber) Smith & Kress, comb. nov. Basionym: *Aechmea lymanii* Weber, *J. Bromeliad Soc.* 34(5):202, fig 4. 1984.
- O. organensis* (Wawra) Smith & Kress, comb. nov. Basionym: *Aechmea organensis* Wawra, *Österr. Bot. Z.* 30:116. 1880.
- O. pimenti-velosoi* (Reitz) Smith & Kress, comb. nov. *O. pimenti-velosoi* var. *pimenti-velosoi*. Basionym: *Aechmea pimenti-velosoi* Reitz, *Anais Bot. Herb. "Barbosa Rodrigues"* 4:26, pl 8. 1952.
- O. pimenti-velosoi* var. *glabra* (Reitz) Smith & Kress, comb. nov. *Aechmea pimenti-velosoi* var. *glabra* Reitz, *Anais Bot. Herb. "Barbosa Rodrigues"* 5:256. 1953.
- O. recurvata* (Klotzsch) Smith & Kress, comb. nov. *O. recurvata* var. *recurvata*. Basionym: *Macrochordium recurvatum* Klotzsch, *Allg. Gartenzeitung* 24:393. 1856.
- O. recurvata* var. *benrathii* (Mez) Smith & Kress, comb. nov. Basionym: *Aechmea benrathii* Mez, *Feddes Repert.* 16:6. 1919.
- O. recurvata* var. *ortgiesii* (Baker) Smith & Kress, comb. nov. Basionym: *Aechmea ortgiesii* Baker, *J. Bot.* 17:236. 1879.
- O. seideliana* (Weber) Smith & Kress, comb. nov. Basionym: *Aechmea seideliana* Weber, *Feddes Repert.* 97(3-4):110, fig 11. 1986.
- O. winkleri* (Reitz) Smith & Kress, comb. nov. Basionym: *Aechmea winkleri* Reitz, *Bromelia* (Sellowia no. 26): 1:63, pl 1. 1975.

**PLATYAECHMEA** (Baker) Smith & Kress, comb. nov. Type *Aechmea distichantha* Lemaire.

- P. anomala* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea anomala* L.B. Smith, *Caldasia* 3:237, fig 1945.
- P. caesia* (E. Morren ex Baker) Smith & Kress, comb. nov. Basionym: *Aechmea caesia* E. Morren ex Baker, *Handb. Bromel.* 43. 1889.
- P. chantinii* (Carrière) Smith & Kress, comb. nov. Basionym: *Billbergia chantinii* Carrière, *Rev. Hort.* 50:112, fig 22. 1878; 52:272, figs 54-56. 1880.

- P. contracta* (Martius ex Schultes filius) Smith & Kress, comb. nov. Basionym: *Billbergia contracta* Martius ex Schultes filius in Roemer & Schultes, Syst. 7(2):1263. 1830.
- P. dealbata* (E. Morren ex Baker) Smith & Kress, comb. nov. Basionym: *Aechmea dealbata* E. Morren ex Baker, Handb. Bromel. 58. 1889.
- P. dichlamidea* (Baker) Smith & Kress, comb. nov. *P. dichlamidea* var. *dichlamidea*. Basionym: *Aechmea dichlamidea* Baker, J. Bot. 17:133. 1879.
- P. dichlamidea* var. *pariaensis* (Pittendrigh) Smith & Kress, comb. nov. Basionym: *Aechmea dichlamidea* var. *pariaensis* Pittendrigh in L.B. Smith, Phytologia 18:137, pl 1, fig 1. 1969.
- P. dichlamidea* var. *trinitensis* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea dichlamidea* var. *trinitensis* L.B. Smith, Proc. Amer. Acad. Arts (Contr. Gray Herb. # 102) 68:145,185, pl 1, fig 3. 1933.
- P. distichantha* (Lemaire) Smith & Kress, comb. nov. *P. distichantha* var. *distichantha* forma *distichantha*. Basionym: *Aechmea distichantha* Lemaire, Jard. Fleur. 3:pl 269, fig 1853.
- P. distichantha* forma *albiflora* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea distichantha* forma *albiflora* L.B. Smith, Arq. Bot. Estado São Paulo 1:102. 1943.
- P. distichantha* var. *glaziovii* (Baker) Smith & Kress, comb. nov. Basionym: *Aechmea glaziovii* Baker, J. Bot. 17:133. 1879.
- P. distichantha* var. *schlumbergeri* (E. Morren ex Mez) Smith & Kress, comb. nov. Basionym: *Aechmea distichantha* var. *schlumbergeri* E. Morren ex Mez, Martius, Flora Brasiliensis 3(3): 343. 1892.
- P. distichantha* var. *vernucosa* (E. Pereira) Smith & Kress, comb. nov. Basionym: *Aechmea distichantha* var. *vernucosa* E. Pereira, Bradea 2(47):308. 1979.
- P. fasciata* (Lindley) Smith & Kress, comb. nov. *P. fasciata* var. *fasciata*. Basionym: *Billbergia fasciata* Lindley, Bot. Reg. 13:pl 1130. 1828.
- P. fasciata* var. *flavi-vittata* (Reitz) Smith & Kress, comb. nov. Basionym: *Aechmea fasciata* var. *flavi-vittata* Reitz Sellowia 33:55. 1981.
- P. fasciata* var. *pruinosa* (Reitz) Smith & Kress, comb. nov. Basionym: *Aechmea fasciata* var. *pruinosa* Reitz, Sellowia 33:55. 1981.
- P. fasciata* var. *purpurea* (Guillon) Smith & Kress, comb. nov. Basionym: *Billbergia rhodocyanea* var. *purpurea* Guillon, Rev. Hort. 55:453. 1883.
- P. flavo-rosea* (E. Pereira) Smith & Kress, comb. nov. Basionym: *Aechmea flavo-rosea* E. Pereira, Bradea 2(49):321, fig (p. 323). 1979.
- P. moorei* (Luther) Smith & Kress, comb. nov. Basionym: *Aechmea moorei* Luther, J. Brom. Soc. 30(4):176, fig. 1980.
- P. retusa* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea retusa* L.B. Smith, Phytologia 10:484, pl 4, figs 3-5. 1964.
- P. romeroi* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea romeroi* L.B. Smith, Phytologia 5:282, pl 1, figs 4-6. 1955.

- P. serrata* (L.) Smith & Kress, comb. nov. Basionym: *Tillandsia serrata* L., Species Plantarum 286. 1753.
- P. smithiorum* (Mez) Smith & Kress, comb. nov. Basionym: *Aechmea smithiorum* Mez, DC. Monogr. Phan. 9:246. 1896.
- P. tessmannii* (Harms) Smith & Kress, comb. nov. Basionym: *Aechmea tessmannii* Harms, Bot. Gart. Berlin 9:1153. 1927.
- P. tillandsioides* (Martius ex Schultes filius) Smith & Kress, comb. nov. *P. tillandsioides* var. *tillandsioides*. Basionym: *Billbergia tillandsioides* Schultes f. in Roemer & Schultes, Syst. 7(2):1269. 1830.
- P. tillandsioides* var. *kienastii* (E. Morren ex Mez) Smith & Kress, comb. nov. Basionym: *Aechmea kienastii* E. Morren ex Mez, DC. Monogr. Phan. 9:243. 1896.
- P. wittmackiana* (Regel) Smith & Kress, comb. nov. Basionym: *Quesnalia wittmackiana* Regel, Gartenflora 37:497, pl 1281, fig 2. 1888.
- P. zebrina* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea zebrina* L.B. Smith, Phytologia 4:358, pl 2, figs, 1,2. 1953.

*POTHUAVA* Gaudich. Lectotype *Bromelia nudicaulis* L.

- P. aciculosa* (Mez & Sodiro) Smith & Kress, comb. nov. Basionym: *Aechmea aciculosa* Mez & Sodiro, Bull. Herb. Boissier II. 4:620. 1904.
- P. allenii* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea allenii* L.B. Smith, Ann. Missouri Bot. Gard. 28:411, pl 19. 1941.
- P. alopecurus* (Mez) Smith & Kress, comb. nov. Basionym: *Aechmea alopecurus* Mez, Mart. Flora Brasiliensis 3(3):367. 1892; emend. E. Pereira & Leme, J. Bromeliad Soc. 35(5):215. 1985.
- P. bocainensis* (E. Pereira & Leme) Smith & Kress, comb. nov. Basionym: *Aechmea bocainensis* E. Pereira & Leme, Revista Brasil. Biol. 45(4):634, fig 2. 1985.
- P. drakeana* (André) Smith & Kress, comb. nov. Basionym: *Aechmea drakeana* André, Rev. Hort. 60:401. 1888.
- P. fraseri* (Baker) Smith & Kress, comb. nov. Basionym: *Aechmea fraseri* Baker, Handb. Bromel. 61. 1889.
- P. guaraparaiensis* (E. Pereira & Leme) Smith & Kress, comb. nov. Basionym: *Aechmea guaraparaiensis* E. Pereira & Leme, Brasil Florestal 59:49, photo 1,2 & detail. 1984.
- P. involucrata* (André) Smith & Kress, comb. nov. Basionym: *Aechmea involucrata* André, Enum. Bromél. 4. 13 Dec 1888 Rev. Hort. 60:564. 16 Dec 1888.
- P. kleinii* (Reitz) Smith & Kress, comb. nov. Basionym: *Aechmea kleinii* Reitz, Anais Bot. Herb. "Barbosa Rodrigues" 5:254, pl 1. 1954.

- P. mariae-reginae* (H. Wendland) Smith & Kress, comb. nov. Basionym: *Aechmea mariae-reginae* H. Wendland, Hamburger Garten.-Blumenzeitung 19:32. 1863. (staminate).
- P. nudicaulis* (L.) Regel, Gartenflora 31:291. 1882. *P. nudicaulis* var. *nudicaulis* Basionym: *Bromelia nudicaulis* L., Species Plantarum 286. 1753.
- P. nudicaulis* var. *aequalis* (L.B. Smith & Reitz) Smith & Kress, comb. nov. Basionym: *Aechmea nudicaulis* var. *aequalis* L.B. Smith & Reitz, Phytologia 8:506. pl 3, fig 11. 1963.
- P. nudicaulis* var. *aureo-rosea* (Antoine) Smith & Kress, comb. nov. Basionym: *Hoplophytum aureo-roseum* Antoine, Wiener III. Gart.-Zeitung 6-97, pl 1 1881.
- P. nudicaulis* var. *cuspidata* (Baker) Smith & Kress, comb. nov. Basionym: *Aechmea nudicaulis* var. *cuspidata* Baker, J. Bot. 17:234. 1879.
- P. nudicaulis* var. *flavo-marginata* (E. Pereira) Smith & Kress, comb. nov. Basionym: *Aechmea nudicaulis* var. *flavo-marginata* E. Pereira, Bradea 2(7):31. 1975.
- P. nudicaulis* var. *simulans* (E. Pereira) Smith & Kress, comb. nov. Basionym: *Aechmea nudicaulis* var. *simulans* E. Pereira, Bradea 2(25):174. 1977.
- P. nudicaulis* var. *tabuleirensis* (Reitz) Smith & Kress, comb. nov. Basionym: *Aechmea nudicaulis* var. *tabuleirensis* Reitz, Sellowia 33:55. 1981.
- P. ornata* (Baker) Smith & Kress, comb. nov. *P. ornata* var. *ornata*. Basionym: *Aechmea ornata* Baker, J. Bot. 17:162. 1879.
- P. ornata* var. *hoehneana* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea ornata* var. *hoehneana* L.B. Smith, Smithsonian Misc. Collect. 126:17, 224, fig 104. 1955.
- P. ornata* var. *nationalis* (Reitz) Smith & Kress, comb. nov. Basionym: *Aechmea ornata* var. *nationalis* Reitz, Anais Bot. Herb. "Barbosa Rodrigues" 4:30. 1952.
- P. pectinata* (Baker) Smith & Kress, comb. nov. Basionym: *Aechmea pectinata* Baker, J. Bot. 17:233. 1879.
- P. pineliana* (Brongniart ex Planchon) Smith & Kress, comb. nov. *P. pineliana* var. *pineliana*. Basionym: *Echinostachys pineliana* Brongniart ex Planchon, Hort. Donat. 25. 1854-58.
- P. pineliana* var. *minuta* (M.B. Foster) Smith & Kress, comb. nov. Basionym: *Aechmea pineliana* var. *minuta* M.B. Foster, Bull. Bromeliad Soc. 11:96, fig 1966.
- P. roberto-anselmii* (E. Pereira & Leme) Smith & Kress, comb. nov. Basionym: *Aechmea roberto-anselmii* E. Pereira & Leme, J. Bromeliad Soc. 35(4):171, fig back cover. 1985.
- P. squarrosa* (Baker) Smith & Kress, comb. nov. Basionym: *Aechmea squarrosa* Baker, Handb. Bromel. 63. 1889.
- P. subpetiolata* (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea subpetiolata* L.B. Smith, Contr. Gray Herb. 124:8, pl 3. 1939.
- P. tonduzii* (Mez & Pittier ex Mez) Smith & Kress, comb. nov. Basionym: *Aechmea tonduzii* Mez & Pittier ex Mez, Bull. Herb. Boissier II. 3:132. 1903.

- P. triticina** (Mez) Smith & Kress, comb. nov. *P. triticina* var. *triticina*. Basionym: *Aechmea triticina* Mez, Martius Flora Brasiliensis 3(3):369. 1892.
- P. triticina** var. **capensis** (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea triticina* var. *capensis* L.B. Smith, Smithsonian Misc. Collect. 126:19, 223. 1955.
- P. vanhouteana** (Van Houte) Smith & Kress, comb. nov. Basionym: *Echinostachys vanhouteana* Van Houte, Catal. 1878.
- P. weberbaueri** (Harms) Smith & Kress, comb. nov. Basionym: *Aechmea weberbaueri* Harms, Notizbl. Bot. Gart. Berlin-Dahlem 14:330. 1939; emend. Rauh.

**MACROCHORDION** De Vriese. Type *Bromelia tinctoria* Martius.

- M. alba** (Mez) Smith & Kress, comb. nov. Basionym: *Aechmea alba* Mez, Martius Flora Brasiliensis 3(3):375. 1892.
- M. bromeliifolia** (Rudge) Beer, Bromel. 146. 1856. Basionym: *Tillandsia bromeliifolia* Rudge, Pl. Guian. 32, pl 50. 1807.
- M. chlorophylla** (L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea chlorophylla* L.B. Smith, Smithsonian Misc. Collect. 126:14,227, fig 107. 1955.
- M. kautskyana** (E. Pereira & L.B. Smith) Smith & Kress, comb. nov. Basionym: *Aechmea kautskyana* E. Pereira & L.B. Smith, in E. Pereira, Bradea 3(7):46, fig, pl (p 49). 1980.
- M. lamarchei** (Mez) Smith & Kress, comb. nov. Basionym: *Aechmea lamarchei* Mez, Martius Flora Brasiliensis 3(3):370. 1892.
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#### EXCLUDED SPECIES

*Aechmea pitcairnioides* = *Acanthostachys pitcairnioides* (Mez) Rauh.

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